

REPLACEMENT PARAGRAPH FOR SPECIFICATION

Abstract on Page 19 of Application:

A shaped charge is formed having a pressed polymer pellet positioned between the
5 explosive charge and the metal liner. The shock wave resulting from detonation of the explosive
passes through the polymer to the liner. The collapse of the liner results in the formations of a jet
– piercing the casing. The high-pressure gaseous by-products of the explosive force (inject) the
polymer in the perforation “tunnel”. This shockwave will also start the decomposition of the
polymer. The polymer will continue to decompose during its injection into the tunnel. As it is
10 being injected into the perforation tunnel, the residue heat generated by the explosive combined
with the shear and induced plastic flow, the polymer will ignite and burn. The burn time will be
an order of magnitude ~~greater the~~ greater than the explosive; the pressure generated by the
polymer will be an order of magnitude less than the explosive.